Title (en)

A METHOD AND APPARATUS FOR FORMING A DOUBLE-CURVED PANEL FROM A FLAT PANEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER DOPPELT GEKRÜMMTEN SCHEIBE AUS EINER FLACHEN SCHEIBE

Title (fr)

PROCÉDÉ ET APPAREIL DE FORMATION D'UN PANNEAU DOUBLEMENT INCURVÉ À PARTIR D'UN PANNEAU PLAT

Publication

EP 2167435 B1 20110309 (EN)

Application

EP 08741664 A 20080424

Priority

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Abstract (en)

[origin: WO2009002158A1] A method for forming a double-curved panel from a flat panel, which comprises processing a plastically deformable flat panel or rendering the flat panel plastically deformable to enable it to mould itself to a predetermined shape, wherein the shape is obtained by a primary supporting construction cooperating with a secondary supporting construction, wherein the primary supporting construction may or may not be adjustable to an invariant position that determines the shape, and the secondary supporting construction is adjustable between a starting position in which it supports the flat panel, and a finishing position in which the secondary supporting construction supports the double-curved panel, while said supporting construction rests on and is shaped in accordance with the shape of the primary supporting construction, wherein the adjustment from the starting position to the finishing position occurs at least subject to the distribution of the gravitational force exerted on the secondary supporting construction by the panel while this is plastically deformable.

IPC 8 full level

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DE102012107968A1; WO2014182185A1; US10351458B2

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